

...NOVEMBER 2011 REGIONAL CLIMATE SUMMARY...

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

...COOL AND DRY ACROSS MOST OF THE REGION...

...A WINDY BEGINNING AND END TO THE MONTH...

NOVEMBER GOT OFF TO A WARM AND DRY START AS A STRONG RIDGE OF HIGH PRESSURE FORMED ALONG THE WEST COAST AND OFFSHORE WINDS DEVELOPED. DRY NORTHEAST WINDS GUSTING AS HIGH AS 50 MPH AT THE HIGHER ELEVATIONS OF THE SAN FRANCISCO BAY AREA PROMPTED ISSUANCE OF RED FLAG WARNINGS FOR THE NORTH AND EAST BAY HILLS ON THE 1ST AND 2ND. THE FIRST TWO DAYS OF NOVEMBER WERE THE WARMEST OF THE MONTH. TEMPERATURES ON THOSE DAYS WERE WELL ABOVE NORMAL WITH HIGHS MOSTLY IN THE MID AND UPPER 70S...ALONG WITH A FEW LOWER 80S. HOWEVER...ONLY ONE DAILY RECORD HIGH TEMPERATURE WAS SET DURING THIS WARM SPELL.

AFTER THE BRIEF WARM SPELL AT THE BEGINNING OF THE MONTH A DEEP UPPER TROUGH SWEEPED THROUGH THE AREA FROM THE 3RD THROUGH THE 5TH...BRINGING MODERATE AMOUNTS OF RAIN TO THE AREA AND COOLING TEMPERATURES SIGNIFICANTLY. HIGH TEMPERATURES DROPPED 10 TO 15 DEGREES FROM THE 2ND TO THE 3RD...AND THE AIRMASS CONTINUED TO COOL OVER THE NEXT FEW DAYS AS A SECOND TROUGH MOVED THROUGH. WHEN SKIES CLEARED ON THE 7TH...THE STAGE WAS SET FOR A VERY COOL NIGHT. TEMPERATURES DROPPED TO NEAR FREEZING IN THE COOLEST INTERIOR VALLEYS ON THE MORNING OF THE 8TH AND SOME MINIMUM DAILY TEMPERATURE RECORDS WERE SET. TEMPERATURES CLIMBED BRIEFLY ABOVE NORMAL ON THE TENTH AND THEN DURING A FEW DAYS NEAR THE END OF THE MONTH. ONLY FIVE NOVEMBER DAYS WERE WARMER THAN NORMAL ACROSS THE REGION. MOST OTHER DAYS WERE COOLER THAN NORMAL AS A SERIES OF UPPER LEVEL TROUGHS SWEEPED THROUGH THE AREA. AVERAGE TEMPERATURES FOR THE MONTH WERE BELOW NORMAL AT NEARLY ALL CLIMATE STATIONS ACROSS BOTH THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA.

THE WEATHER SYSTEMS THAT BROUGHT COOL AIR TO THE REGION DURING MUCH OF NOVEMBER WERE NOT ESPECIALLY WET. IN FACT...MOST OF THE NOVEMBER RAINFALL EVENTS WERE ONLY LIGHT TO MODERATE IN INTENSITY. THE RAIN EVENT FROM THE 3RD THROUGH THE 5TH WAS FOLLOWED BY THREE OTHERS...ON THE 11TH...FROM THE 18TH THROUGH THE 20TH...AND THEN ON THE 24TH. ACROSS THE SAN FRANCISCO BAY AREA RAIN TOTALS FOR THE MONTH WERE ROUGHLY HALF OF NORMAL...RANGING ANYWHERE FROM ABOUT 40 TO 70 PERCENT OF NORMAL. AREAS FARTHER SOUTH GENERALLY FARED BETTER WITH MONTHLY RAIN TOTALS THAT WERE CLOSER TO THE NOVEMBER AVERAGE. THE ONLY LOCATIONS THAT ACCUMULATED GREATER THAN 100 PERCENT OF NORMAL PRECIPITATION FOR THE MONTH WERE WATSONVILLE ...SALINAS...AND KING CITY.

AS OF NOVEMBER 30TH...YEAR-TO-DATE RAIN TOTALS (JULY 1-NOVEMBER 30) WERE BELOW NORMAL ACROSS MOST OF THE AREA...GENERALLY RANGING FROM 50 TO 75 PERCENT OF NORMAL. THE SALINAS AIRPORT WAS THE EXCEPTION...WITH YEAR-TO-DATE RAINFALL THERE AT 150 PERCENT OF NORMAL.

A POWERFUL WIND STORM DEVELOPED ACROSS MUCH OF THE WESTERN UNITED STATES AT THE END OF NOVEMBER AS A DEEP AREA OF LOW PRESSURE FORMED OVER THE GREAT BASIN. STRONG AND GUSTY NORTH TO NORTHEAST WINDS FIRST DEVELOPED ACROSS NORTHERN AND CENTRAL CALIFORNIA ON WEDNESDAY THE 30TH. BY THAT EVENING WIND GUSTS OF BETWEEN 30 AND 50 MPH HAD DEVELOPED ACROSS PORTIONS OF THE SAN FRANCISCO BAY AREA...WITH LOCAL WIND GUSTS UP TO 70 MPH IN THE HILLS. POWER OUTAGES OCCURRED ACROSS MUCH OF THE REGION THAT NIGHT AS UTILITY POLES AND TREES TOPPLED. SANTA CRUZ COUNTY WAS HARDEST HIT BY THE WIND STORM. AS MANY AS 24000 PG&E CUSTOMERS LOST POWER IN SANTA CRUZ COUNTY OVERNIGHT.

...NOVEMBER REGIONAL TEMPERATURE SUMMARY...

LOCATION	AVG HIGH	NORMAL HIGH	DEPARTURE FROM NORMAL	AVG LOW	NORMAL LOW	DEPARTURE FROM NORMAL
NORTH BAY...						
KENTFIELD	59.6	62.3	-2.7	43.3	45.3	-2.0
NAPA AIRPORT	62.1	63.7	-1.6	37.2	38.8	-1.6
SAINT HELENA	62.6	65.1	-2.5	40.5	42.7	-2.2
SANTA ROSA	63.1	66.9	-3.8	40.1	42.8	-2.7
SANTA ROSA AP	62.9	64.3	-1.4	37.6	40.4	-2.8
SONOMA	61.8	64.8	-3.0	38.1	41.7	-3.6
SAN FRANCISCO PENINSULA...						
HALF MOON BAY	60.7	62.4	-1.7	42.6	43.7	-1.1
REDWOOD CITY	62.5	64.5	-2.0	42.2	44.3	-2.1
SAN FRANCISCO AIRPORT	60.0	62.9	-2.9	47.6	48.7	-1.1
SAN FRANCISCO DOWNTOWN	60.2	63.1	-2.9	49.1	50.1	-1.0
EAST BAY...						
BERKELEY	63.0	64.8	-1.8	45.5	46.6	-1.1
CONCORD AIRPORT	61.6	64.1	-2.5	42.5	43.9	-1.4
FREMONT	61.9	64.4	-2.5	44.6	46.1	-1.5
HAYWARD AIRPORT	60.6	63.6	-3.0	44.9	47.4	-2.5
LIVERMORE AP	62.7	64.6	-1.9	40.9	42.5	-1.6
MARTINEZ	60.7	63.9	-3.2	37.7	40.0	-2.3
MOUNT DIABLO JUNCTION	57.5	61.8	-4.3	43.6	44.5	-0.9
OAKLAND	64.2	64.6	-0.4	47.8	49.1	-1.3
OAKLAND AIRPORT	64.7	63.1	1.6	47.5	45.4	2.1
SOUTH BAY AND SANTA CRUZ COUNTY...						
BEN LOMOND	67.6	67.6	0.0	38.0	39.6	-1.6

GILROY	66.0	67.8	-1.8	41.4	42.1	-0.7
LOS GATOS	61.5	63.9	-2.4	41.3	42.7	-1.4
MOFFETT FIELD	65.5	65.1	0.4	47.6	47.3	0.3
MOUNT HAMILTON	47.8	53.3	-5.5	36.5	42.5	-6.0
SAN JOSE	63.3	64.3	-1.0	43.9	46.0	-2.1
SANTA CRUZ	63.2	66.8	-3.6	41.6	44.9	-3.3
WATSONVILLE AP	64.3	66.0	-1.7	42.7	43.3	-0.6

MONTEREY AND SAN BENITO COUNTIES...

CARMEL VALLEY	65.1	68.0	-2.9	40.1	42.7	-2.6
KING CITY	65.7	69.7	-4.0	40.4	40.5	-0.1
MONTEREY	60.8	62.8	-2.0	45.9	47.1	-1.2
MONTEREY AIRPORT	61.3	63.7	-2.4	44.6	45.8	-1.2
SALINAS	64.6	67.5	-2.9	41.8	42.9	-1.1
SALINAS AIRPORT	64.4	66.7	-2.3	44.4	44.6	-0.2

...NOVEMBER REGIONAL PRECIPITATION SUMMARY...

LOCATION	NOV TOTAL	NORMAL NOV PRECIP	PERCENT OF NORMAL
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NORTH BAY...

CALISTOGA	3.76	4.75	79
CLOVERDALE	3.22	5.54	58
KENTFIELD	3.51	6.46	54
MUIR WOODS	2.52	5.07	50
NAPA	1.55	3.45	45
NAPA AIRPORT	2.23	2.56	87
OCCIDENTAL	3.66	7.34	50
PETALUMA AIRPORT	1.62	3.29	49
SAINT HELENA	2.58	4.49	57
SANTA ROSA	2.07	4.04	51
SONOMA COUNTY AP	2.41	4.69	51
SONOMA	1.93	3.86	50

SAN FRANCISCO PENINSULA...

HALF MOON BAY	1.76	3.32	53
PALO ALTO	0.77	1.96	39
REDWOOD CITY	1.21	2.37	51
SAN FRANCISCO AIRPORT	1.55	2.38	65
SAN FRANCISCO DOWNTOWN	1.74	3.16	55

EAST BAY...

BERKELEY	1.82	3.30	55
CONCORD AIRPORT	0.77	1.54	50
FREMONT	0.71	1.85	38

HAYWARD AIRPORT	0.88	2.17	41
LIVERMORE	0.93	1.84	51
LIVERMORE AIRPORT	0.82	1.98	41
MARTINEZ	1.08	2.59	42
MOUNT DIABLO			
JUNCTION	1.32	3.11	42
OAKLAND	1.57	2.89	54
OAKLAND AIRPORT	1.27	2.45	52
RICHMOND	1.18	3.24	36

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	4.01	6.09	66
GILROY	1.53	2.28	67
LOS GATOS	1.30	2.37	55
MOFFETT FIELD	0.61	1.64	37
MOUNT HAMILTON	1.89	3.57	53
SAN JOSE	0.70	1.68	42
SANTA CRUZ	2.54	3.75	68
WATSONVILLE AP	2.19	2.10	104

MONTEREY AND SAN BENITO COUNTIES...

CARMEL VALLEY	1.32	2.35	56
HOLLISTER	1.43	1.68	85
KING CITY	1.42	1.11	128
MONTEREY	2.12	2.32	91
MONTEREY AIRPORT	1.32	1.88	70
SALINAS	2.07	1.76	118
SALINAS AIRPORT	1.78	1.40	127

...DAILY TEMPERATURE RECORDS FOR NOVEMBER 2011...

		RECORD MAXIMUM TEMP	PREVIOUS RECORD
11/01	OAKLAND AIRPORT	81	77 IN 1962

		RECORD MINIMUM TEMP	PREVIOUS RECORD
11/08	SAN FRANCISCO DOWNTOWN	46	46 IN 1994
11/08	OAKLAND MUSEUM	44	45 IN 1982
11/08	OAKLAND AIRPORT	41	41 IN 1959
11/08	SALINAS	36	36 IN 1977

...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE....60.2....13TH COOLEST OUT OF 136 YEARS
 AVERAGE LOW TEMPERATURE.....49.1....13TH COOLEST OUT OF 136 YEARS
 PRECIPITATION..... 1.74 IN....72ND DRIEST OUT OF 161 YEARS

...MONTHLY EXTREMES FOR SELECT LOCATIONS...

LOCATION	WARMEST DAY(S)	COOLEST DAY(S)	WETTEST DAY(S)
SANTA ROSA AIRPORT	11/01 77 DEG	11/04 11/19 30 DEG	11/05 0.76 INCH
SAN FRANCISCO	11/02 74 DEG	11/19 45 DEG	11/20 0.39 INCH
SAN JOSE	11/02 78 DEG	11/08 11/09 11/19 39 DEG	11/05 11/20 0.16 INCH
SALINAS AIRPORT	11/01 11/02 81 DEG	11/08 38 DEG	11/05 0.62 INCH

NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL
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